CARTE Module NXP JN5188

REV	QTY	DESIGNATION	ENERSYS PN	MANUFACTURER	PN	PACKAGE	DESCRIPTION
RESISTANCES (Resistors)							
A	3	R2, R3, R4		YAGEO	RC0402FR-0710KL	0402(R1005)L	Res 10 k 0402 SM 63mW 1% 100ppm
				TM*			
CONDENSATEUR (Capacitor)							
B	2	C1, C7		AVX	04023A470JAT2A	0402(C1005)L	Cap 0402 SM 47 pF COG 25V 5%
				TM*			
B	3	C2, C3, C4		MURATA	GRM155R71A104KA01D	0402(C1005)L	Cap 0402 SM 100nF 10V X7R
				TM*			
A	2	C5, C6		SAMSUNG	CL05A106MP5NUNC	0402(C1005)L	Cap 10 µF 0402 SM X5R 10V ±20%
				TM*			
B	1	C9		YAGEO	CC0402JRX7R8BB103	0402(C1005)L	Cap 10 nF 0402 SM X7R 25V 5%
				TM*			
C	0	C12		YAGEO	CC0402CRNPO9BN1R8	0402(C1005)L	Cap 0402 SM 1.8pF NPO 50V 0.25%
B	1	C14		AVX	04023J1R0ABSTR	0402(C1005)L	Cap 0402 SM 1.0pF 25V +-0.05pF
B	2	C13, C15		AVX	04023J2R7ABSTR	0402(C1005)L	Cap 0402 SM 2.7pF 25V +-0.05pF
DIODES et PONT DE DIODES (Diode)							
B	1	ANT1		Johanson Technology	2450AT43B100	2450AT43B100E	ANT 2.4GHz Ceramic Johanson
C	1	L1		Murata	LQW15AN2N7C00D	0402(C1005)L	L-IND-2.7nH-0402-850mA-SR:15GHz
C	1	L2		Murata	LQW15AN3N3B	0402(C1005)L	L-IND-3.3nH-0402-30mOhm-2A-SR14GHz
A	1	L3		TDK	MLZ2012M4R7HT	0805(R2012)L	L-4.7uH-300mA-0805-SR60MHz
A	1	U3		NXP	JN5188HN	U-JN5189-QFN50P600X600X85_HS-41N	IEEE 802.5.4 low power wireless MCU
A	1	X1		Murata	XRCGB32M000F1SBAR0	ABM11AIG	Timing Crystal 32MHz +/-10ppm 6pF
C	1	Z1	EMI Shield (frame)		6LA23027	8876A3A	EMI Shield 20.8mm x 12.0mm
C	1	Z2	EMI Shield (cover)		6LA23026	8875A3A	EMI Shield Cover
C	1	Printed circuit board	6LA19470		PCB rev 5.1		5 layers, thickness 0,8 mm, NiAu 60 µm Copper thickness 1/1/1/1/1oz (35µm) dimensions 13,20 x 34,10 mm, /silk screen : component side and solder side / TG: 135°C / CTI 175V / UL / Class5 / Base Material FR4/ Minimum flame rating of 94V-0

Commentaires : TM* = Toutes Marques (All manufacturers) - NE* = Non Equipé (non fitted) - EQU = alternative (alternate source)

All components and manufacturing process have to complywith ROHS - No change allowed without Engineering approval

IND	DATE	MODIFICATIONS	ORIGINE
C	22/04/2022	PCB - move C5, Add L2, remove C12	STC
B	24/02/2022	Remove Watchdog - Johanson antenna	STC
A	10/06/2021	CREATION - Dossier	STC

TITLE: **CARTE Module NXP JN5188 (Johanson)**

	DATE	NOM	VISA	DPT
DONE	22/04/2022	DL	DL	
VERIFIE	22/04/2022	FB	FB	
APPROVED	22/04/2022	CL	CL	

REFERENCE	DWG	FORMAT	REV	FOLIO
6LA12230	**8770**	**A4**	**C**	**1/1**

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